

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 10:30:40 ON 04 APR 2003
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FILE COVERS 1907 - 4 Apr 2003 VOL 138 ISS 15
FILE LAST UPDATED: 3 Apr 2003 (20030403/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s absorbent(l)composite(l)sheet
      31131 ABSORBENT
      16157 ABSORBENTS
      37498 ABSORBENT
            (ABSORBENT OR ABSORBENTS)
      238095 COMPOSITE
      144041 COMPOSITES
      271494 COMPOSITE
            (COMPOSITE OR COMPOSITES)
      230893 SHEET
      145365 SHEETS
      302721 SHEET
            (SHEET OR SHEETS)
L1      112 ABSORBENT(L)COMPOSITE(L)SHEET

=> s (nonwoven or non-woven or un-woven or unwoven)
      26188 NONWOVEN
      2546 NONWOVENS
      26423 NONWOVEN
            (NONWOVEN OR NONWOVENS)
      586044 NON
      30 NONS
      586068 NON
            (NON OR NONS)
      18430 WOVEN
      91 WOVENS
      18497 WOVEN
            (WOVEN OR WOVENS)
      2020 NON-WOVEN
            (NON(W)WOVEN)
      47631 UN
      1671 UNS
      49296 UN
            (UN OR UNS)
      18430 WOVEN
      91 WOVENS
```

18497 WOVEN
 (WOVEN OR WOVENS)
10 UN-WOVEN
 (UN(W)WOVEN)
968 UNWOVEN
L2 28511 (NONWOVEN OR NON-WOVEN OR UN-WOVEN OR UNWOVEN)

=> s fabric or textile
 87038 FABRIC
 78139 FABRICS
 119942 FABRIC
 (FABRIC OR FABRICS)
 71500 TEXTILE
 78201 TEXTILES
 112626 TEXTILE
 (TEXTILE OR TEXTILES)
L3 184786 FABRIC OR TEXTILE

=> s sap or superabsorbent polymer
 10789 SAP
 706 SAPS
 11108 SAP
 (SAP OR SAPS)
 1083 SUPERABSORBENT
 724 SUPERABSORBENTS
 1209 SUPERABSORBENT
 (SUPERABSORBENT OR SUPERABSORBENTS)
 885805 POLYMER
 747871 POLYMERS
 1208935 POLYMER
 (POLYMER OR POLYMERS)
 466 SUPERABSORBENT POLYMER
 (SUPERABSORBENT(W) POLYMER)
L4 11521 SAP OR SUPERABSORBENT POLYMER

=> s hot melt or hot-melt
 368381 HOT
 33 HOTS
 368412 HOT
 (HOT OR HOTS)
 263890 MELT
 76697 MELTS
 299894 MELT
 (MELT OR MELTS)
 11102 HOT MELT
 (HOT(W)MELT)
 368381 HOT
 33 HOTS
 368412 HOT
 (HOT OR HOTS)
 263890 MELT
 76697 MELTS
 299894 MELT
 (MELT OR MELTS)
 11102 HOT-MELT
 (HOT(W)MELT)
L5 11102 HOT MELT OR HOT-MELT

=> s adhesive
 151610 ADHESIVE
 99901 ADHESIVES
L6 172071 ADHESIVE
 (ADHESIVE OR ADHESIVES)

=> s mesh

73359 MESH

2720 MESHES

L7

75157 MESH

(MESH OR MESHES)

=> d his

(FILE 'HOME' ENTERED AT 10:29:59 ON 04 APR 2003)

FILE 'CAPLUS' ENTERED AT 10:30:40 ON 04 APR 2003

L1 112 S ABSORBENT(L) COMPOSITE(L) SHEET

L2 28511 S (NONWOVEN OR NON-WOVEN OR UN-WOVEN OR UNWOVEN)

L3 184786 S FABRIC OR TEXTILE

L4 11521 S SAP OR SUPERABSORBENT POLYMER

L5 11102 S HOT MELT OR HOT-MELT

L6 172071 S ADHESIVE

L7 75157 S MESH

=> s 15 and 16 and 17

L8 74 L5 AND L6 AND L7

=> s 12 and 13

L9 22258 L2 AND L3

=> s 18 and 19 and 14

L10 1 L8 AND L9 AND L4

=> s 11 and 18 and 19

L11 0 L1 AND L8 AND L9

=> d l10 bib,abs

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

AN 2001:91147 CAPLUS

DN 134:152691

TI Absorbing products having absorbent layer with deodorizing function

IN Tanaka, Masahito; Hamashima, Yoshitsugu; Sakamoto, Noriko; Teranishi, Futoshi; Nakanishi, Minoru

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 16 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001029384	A2	20010206	JP 2000-13558	20000121
	CN 1274570	A	20001129	CN 2000-107698	20000519
	TW 449468	B	20010811	TW 2000-89109646	20000519
PRAI	JP 1999-140652	A	19990520		
	JP 2000-13558	A	20000121		

AB The absorbing products such as sanitary napkins, disposable diapers, incontinence pads, etc., comprise (1) a liq.-permeable surface layer, (2) a liq.-impermeable and leakage-preventive layer, and (3) a liq.-holding absorbing layer between (1) and (2), and (3) has a deodorant unit comprising (a) hydrophilic fibers or foams which are not swollen with water or show centrifuge retention after equil. water absorption .ltoreq.0.7 g/g and (b) deodorizing agents so that the deodorant unit is a layer contg. (a) and (b) dispersed to each other or a laminated of a layer contg. (a) and a layer contg. (b). Absorption ability of the products for NH3 and MeSH gases is also prescribed. A deodorant sheet, prepd. by sandwiching Aqualic (superabsorbent polymer) and CW 480B (granular activated C) between a pair of fiber sheets made

from crosslinked pulp and Fibrilbond [poly(vinyl alc.) fiber], was folded into C-shape, wrapped with a leakage-preventive polyethylene film from the bottom side and a liq.-permeable porous polyethylene skin-contact film, and then laminated with a release paper via a **hot-melt adhesive** to give to give a sanitary napkin.

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

39.36

39.57

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-0.65

-0.65

STN INTERNATIONAL LOGOFF AT 10:34:34 ON 04 APR 2003

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

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FILE COVERS 1907 - 4 Apr 2003 VOL 138 ISS 15
FILE LAST UPDATED: 3 Apr 2003 (20030403/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s absorbent(l)composite(l)sheet

31131 ABSORBENT
16157 ABSORBENTS
37498 ABSORBENT
(ABSORBENT OR ABSORBENTS)
238095 COMPOSITE
144041 COMPOSITES
271494 COMPOSITE
(COMPOSITE OR COMPOSITES)
230893 SHEET
145365 SHEETS
302721 SHEET
(SHEET OR SHEETS)

L1 112 ABSORBENT(L) COMPOSITE(L) SHEET

=> s (nonwoven or non-woven or un-woven or unwoven)

26188 NONWOVEN
2546 NONWOVENS
26423 NONWOVEN
(NONWOVEN OR NONWOVENS)
586044 NON
30 NONS
586068 NON
(NON OR NONS)
18430 WOVEN
91 WOVENS
18497 WOVEN
(WOVEN OR WOVENS)
2020 NON-WOVEN
(NON(W) WOVEN)
47631 UN
1671 UNS
49296 UN
(UN OR UNS)
18430 WOVEN
91 WOVENS

18497 WOVEN
 (WOVEN OR WOVENS)
 10 UN-WOVEN
 (UN(W)WOVEN)
 968 UNWOVEN
 L2 28511 (NONWOVEN OR NON-WOVEN OR UN-WOVEN OR UNWOVEN)

=> s fabric or textile
 87038 FABRIC
 78139 FABRICS
 119942 FABRIC
 (FABRIC OR FABRICS)
 71500 TEXTILE
 78201 TEXTILES
 112626 TEXTILE
 (TEXTILE OR TEXTILES)
 L3 184786 FABRIC OR TEXTILE

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 10789 SAP
 706 SAPS
 11108 SAP
 (SAP OR SAPS)
 1083 SUPERABSORBENT
 724 SUPERABSORBENTS
 1209 SUPERABSORBENT
 (SUPERABSORBENT OR SUPERABSORBENTS)
 885805 POLYMER
 747871 POLYMERS
 1208935 POLYMER
 (POLYMER OR POLYMERS)
 466 SUPERABSORBENT POLYMER
 (SUPERABSORBENT(W) POLYMER)
 L4 11521 SAP OR SUPERABSORBENT POLYMER

=> s hot melt or hot-melt
 368381 HOT
 33 HOTS
 368412 HOT
 (HOT OR HOTS)
 263890 MELT
 76697 MELTS
 299894 MELT
 (MELT OR MELTS)
 11102 HOT MELT
 (HOT(W)MELT)
 368381 HOT
 33 HOTS
 368412 HOT
 (HOT OR HOTS)
 263890 MELT
 76697 MELTS
 299894 MELT
 (MELT OR MELTS)
 11102 HOT-MELT
 (HOT(W)MELT)
 L5 11102 HOT MELT OR HOT-MELT

=> s adhesive
 151610 ADHESIVE
 99901 ADHESIVES
 L6 172071 ADHESIVE
 (ADHESIVE OR ADHESIVES)

=> s mesh

73359 MESH

2720 MESHES

L7 75157 MESH

(MESH OR MESHES)

=> d his

(FILE 'HOME' ENTERED AT 10:29:59 ON 04 APR 2003)

FILE 'CAPLUS' ENTERED AT 10:30:40 ON 04 APR 2003

L1 112 S ABSORBENT(L) COMPOSITE(L) SHEET

L2 28511 S (NONWOVEN OR NON-WOVEN OR UN-WOVEN OR UNWOVEN)

L3 184786 S FABRIC OR TEXTILE

L4 11521 S SAP OR SUPERABSORBENT POLYMER

L5 11102 S HOT MELT OR HOT-MELT

L6 172071 S ADHESIVE

L7 75157 S MESH

=> s 15 and 16 and 17

L8 74 L5 AND L6 AND L7

=> s 12 and 13

L9 22258 L2 AND L3

=> s 18 and 19 and 14

L10 1 L8 AND L9 AND L4

=> s 11 and 18 and 19

L11 0 L1 AND L8 AND L9

=> d 110 bib,abs

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

AN 2001:91147 CAPLUS

DN 134:152691

TI Absorbing products having absorbent layer with deodorizing function

IN Tanaka, Masahito; Hamashima, Yoshitsugu; Sakamoto, Noriko; Teranishi, Futoshi; Nakanishi, Minoru

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 16 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001029384	A2	20010206	JP 2000-13558	20000121
	CN 1274570	A	20001129	CN 2000-107698	20000519
	TW 449468	B	20010811	TW 2000-89109646	20000519
PRAI	JP 1999-140652	A	19990520		
	JP 2000-13558	A	20000121		

AB The absorbing products such as sanitary napkins, disposable diapers, incontinence pads, etc., comprise (1) a liq.-permeable surface layer, (2) a liq.-impermeable and leakage-preventive layer, and (3) a liq.-holding absorbing layer between (1) and (2), and (3) has a deodorant unit comprising (a) hydrophilic fibers or foams which are not swollen with water or show centrifuge retention after equil. water absorption .ltoreq.0.7 g/g and (b) deodorizing agents so that the deodorant unit is a layer contg. (a) and (b) dispersed to each other or a laminated of a layer contg. (a) and a layer contg. (b). Absorption ability of the products for NH3 and MeSH gases is also prescribed. A deodorant sheet, prepd. by sandwiching Aqualic (superabsorbent polymer) and CW 480B (granular activated C) between a pair of fiber sheets made

from crosslinked pulp and Fibrilbond [poly(vinyl alc.) fiber], was folded into C-shape, wrapped with a leakage-preventive polyethylene film from the bottom side and a liq.-permeable porous polyethylene skin-contact film, and then laminated with a release paper via a **hot-melt adhesive** to give to give a sanitary napkin.

=> log y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	39.36	39.57
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.65	-0.65

STN INTERNATIONAL LOGOFF AT 10:34:34 ON 04 APR 2003

=> s composite

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'CAPLUS' ENTERED AT 11:35:28 ON 04 APR 2003

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FILE COVERS 1907 - 4 Apr 2003 VOL 138 ISS 15

FILE LAST UPDATED: 3 Apr 2003 (20030403/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s absorbent(l)composite

31131 ABSORBENT

16157 ABSORBENTS

37498 ABSORBENT

(ABSORBENT OR ABSORBENTS)

238095 COMPOSITE

144041 COMPOSITES

271494 COMPOSITE

(COMPOSITE OR COMPOSITES)

L1 740 ABSORBENT(L)COMPOSITE


```

=> s (nonwoven or unwoven or non-woven or un-woven) and substrate
    26188 NONWOVEN
    2546 NONWOVENS
    26423 NONWOVEN
        (NONWOVEN OR NONWOVENS)
    968 UNWOVEN
    586044 NON
    30 NONS
    586068 NON
        (NON OR NONS)
    18430 WOVEN
    91 WOVENS
    18497 WOVEN
        (WOVEN OR WOVENS)
    2020 NON-WOVEN
        (NON (W) WOVEN)
    47631 UN
    1671 UNS
    49296 UN
        (UN OR UNS)
    18430 WOVEN
    91 WOVENS
    18497 WOVEN
        (WOVEN OR WOVENS)
    10 UN-WOVEN
        (UN (W) WOVEN)
    669652 SUBSTRATE
    315874 SUBSTRATES
    843266 SUBSTRATE
        (SUBSTRATE OR SUBSTRATES)
L2      2568 (NONWOVEN OR UNWOVEN OR NON-WOVEN OR UN-WOVEN) AND SUBSTRATE

=> s superabsorbent or sap
    1083 SUPERABSORBENT
    724 SUPERABSORBENTS
    1209 SUPERABSORBENT
        (SUPERABSORBENT OR SUPERABSORBENTS)
    10789 SAP
    706 SAPS
    11108 SAP
        (SAP OR SAPS)
L3      12254 SUPERABSORBENT OR SAP

=> s hot melt adhesive
    368381 HOT
    33 HOTS
    368412 HOT
        (HOT OR HOTS)
    263890 MELT
    76697 MELTS
    299894 MELT
        (MELT OR MELTS)
    151610 ADHESIVE
    99901 ADHESIVES
    172071 ADHESIVE
        (ADHESIVE OR ADHESIVES)
L4      6420 HOT MELT ADHESIVE
        (HOT (W) MELT (W) ADHESIVE)

=> s fibers or fibres
    460843 FIBERS
    1612 FIBRES
L5      461232 FIBERS OR FIBRES

```

=> d his

(FILE 'HOME' ENTERED AT 11:34:37 ON 04 APR 2003)

FILE 'CAPLUS' ENTERED AT 11:35:28 ON 04 APR 2003

L1 740 S ABSORBENT(L) COMPOSITE
L2 2568 S (NONWOVEN OR UNWOVEN OR NON-WOVEN OR UN-WOVEN) AND SUBSTRATE
L3 12254 S SUPERABSORBENT OR SAP
L4 6420 S HOT MELT ADHESIVE
L5 461232 S FIBERS OR FIBRES

=> s l4 and l5

L6 711 L4 AND L5

=> s l1 and l2 and l3

L7 2 L1 AND L2 AND L3

=> s l1 and l6

L8 6 L1 AND L6

=> d l7 1-2 bib,abs

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
AN 2001:237944 CAPLUS
TI Highly water absorbent sheet and method for manufacturing same
IN Suzuki, Migaku
PA Japan Absorbent Technology Institute, Japan
SO Eur. Pat. Appl.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1088537	A2	20010404	EP 2000-308588	20000929
	EP 1088537	A3	20011031		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2001096654	A2	20010410	JP 1999-276722	19990929
	JP 3196933	B2	20010806		
	CN 1293025	A	20010502	CN 2000-134726	20000929
PRAI	JP 1999-276722	A	19990929		
AB	A highly absorbent composite sheet wherein a non-woven substrate (1) having a bulky structure and solid SAP (2) with a part contained inside said bulky structure and the rest exposed on the surface of said non-woven substrate (1) are provided, a thermally fusible component (3) being a hot-melt adhesive, the hot-melt adhesive forming a fibrous network and covering said solid SAP (2) and fine cellulose fibers in contact with the solid SAP (2) whereby a single or double fibrous network is provided with the solid SAP (2) held in position. A method for manufg. same, and an absorbent article using such highly absorbent composite sheet are also provided.				

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS

AN 2001:63861 CAPLUS

DN 134:116931

TI Disposable **absorbent** article employing an **absorbent composite**, and method of making the same

IN Klemp, Walter V.; Ducker, Paul M.; Sneed, Scott W.; Suzuki, Migaku

PA Drypers Corporation, USA; Japan Absorbent Technology Institute

SO PCT Int. Appl., 51 pp.

CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001005440	A2	20010125	WO 2000-US19493	20000714
	WO 2001005440	A3	20011206		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 2000062189	A5	20010205	AU 2000-62189	20000714
	EP 1231878	A2	20020821	EP 2000-948728	20000714
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
PRAI	US 1999-144345P	P	19990716		
	WO 2000-US19493	W	20000714		
AB	A disposable absorbent article includes a topsheet, a backsheet and an absorbent core disposed therebetween. One or more of the backsheet, topsheet, and absorbent core is constructed of an absorbent composite that includes an absorbent layer of hydratable fine fibers in the form of microfibril obtained from cellulose or a deriv. thereof and super absorbent polymer (SAP) particles bonded together by the hydratable fibers, and a nonwoven substrate supporting the absorbent layer such as SMS. The absorbent layer is coated over the surface of the nonwoven substrate . The core may include one uniform layer of the absorbent composite or a composite having one layer of the nonwoven substrate and a plurality of segmented absorbent layers applied thereon. In the latter design, the absorbent layers are spaced apart from one another to expose surface sections of the substrate . These non-coated surface sections provide wicking zones which allow room for the absorbent layers to expand and prevent gel blocking.				

=> d his

(FILE 'HOME' ENTERED AT 11:34:37 ON 04 APR 2003)

FILE 'CAPLUS' ENTERED AT 11:35:28 ON 04 APR 2003

L1 740 S ABSORBENT(L) COMPOSITE
L2 2568 S (NONWOVEN OR UNWOVEN OR NON-WOVEN OR UN-WOVEN) AND SUBSTRATE
L3 12254 S SUPERABSORBENT OR SAP
L4 6420 S HOT MELT ADHESIVE
L5 461232 S FIBERS OR FIBRES
L6 711 S L4 AND L5
L7 2 S L1 AND L2 AND L3
L8 6 S L1 AND L6

=> d l8 1-6 bib,abs

L8 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2003 ACS
AN 2002:521640 CAPLUS
DN 137:79978
TI **Hot-melt adhesive** for nonwoven elastic
composite for disposable **absorbent** article

IN Zhou, Peiguang; Garrett, Lance J., Jr.
PA Kimberly-Clark Worldwide, Inc., USA
SO PCT Int. Appl., 51 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002053378	A2	20020711	WO 2001-US48367	20011211
	WO 2002053378	A3	20030116		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2002123726	A1	20020905	US 2001-944635	20010831
PRAI	US 2000-259037P	P	20001229		
	US 2001-944635	A	20010831		

AB **Hot-melt adhesive** compns. of atactic polypropylene and isotactic polypropylene are particularly suitable for bonding nonwoven elastic composite from a nonwoven substrate (polypropylene **fibers**) and .gtoreq.1 of an elastic strand (Lycra 940). A selected amt. of isotactic polypropylene is blended with a selected amt. of atactic polypropylene to prep. an adhesive compn. having .gtoreq.1 performance properties (e.g., bond strength) that are superior to the performance properties of conventional **hot-melt adhesives**.

L8 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2003 ACS

AN 2002:284575 CAPLUS

DN 136:315052

TI Multifunctional multilayer absorbents and their manufacture

IN Suzuki, Osamu

PA Nippon Kyushutai Gijutsu Kenkyusho K. K., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002113800	A2	20020416	JP 2000-310852	20001011
PRAI	JP 2000-310852		20001011		

AB The **absorbents** consist of (A) **composite absorbents** comprising nonwoven fabrics, highly water-absorbing polymer (SAP) layers, and fiber net-type **hot-melt adhesives** and (B) sheets bonded with the **absorbents** via the adhesives. The **absorbents** are useful for disposable diapers, incontinence pads, sanitary napkins, pet sheets, etc. A tissue was sandwiched between (A) an **absorbent** comprising rayon nonwoven fabric, AP 50X (SAP), and Moresco TN 288 (adhesive) and (A') an **absorbent** comprising polyester nonwoven fabric, AP 211D (SAP), and Moresco TN 288.

L8 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2003 ACS

AN 2001:237944 CAPLUS

TI Highly water absorbent sheet and method for manufacturing same

IN Suzuki, Migaku

PA Japan Absorbent Technology Institute, Japan

SO Eur. Pat. Appl.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1088537	A2	20010404	EP 2000-308588	20000929
	EP 1088537	A3	20011031		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2001096654	A2	20010410	JP 1999-276722	19990929
	JP 3196933	B2	20010806		
	CN 1293025	A	20010502	CN 2000-134726	20000929
PRAI	JP 1999-276722	A	19990929		
AB	A highly absorbent composite sheet wherein a non-woven substrate (1) having a bulky structure and solid SAP (2) with a part contained inside said bulky structure and the rest exposed on the surface of said non-woven substrate (1) are provided, a thermally fusible component (3) being a hot-melt adhesive , the hot-melt adhesive forming a fibrous network and covering said solid SAP (2) and fine cellulose fibers in contact with the solid SAP (2) whereby a single or double fibrous network is provided with the solid SAP (2) held in position. A method for manufg. same, and an absorbent article using such highly absorbent composite sheet are also provided.				

L8 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2003 ACS
AN 1999:372042 CAPLUS
DN 131:19962
TI Absorbent articles for diapers, adult incontinence garments and feminine hygiene products with wearing comfort
IN Lavon, Gary Dean; Lim, Hyun Sung; Mckenna, James Michael; Ostapchenko, George Joseph; Vaidya, Shailaja Rejeev; Beck, Theodora; Curro, John Joseph
PA The Procter & Gamble Company, USA
SO PCT Int. Appl., 85 pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9927877	A1	19990610	WO 1998-US25667	19981203
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ, DE, DE, DK, EE, EE, ES, FI, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	ZA 9811024	A	19990603	ZA 1998-11024	19981202
	CA 2310727	AA	19990610	CA 1998-2310727	19981203
	AU 9916240	A1	19990616	AU 1999-16240	19981203
	EP 1039866	A1	20001004	EP 1998-960704	19981203
	EP 1039866	B1	20020710		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	BR 9813388	A	20001024	BR 1998-13388	19981203
	JP 2001524351	T2	20011204	JP 2000-522866	19981203
	AT 220312	E	20020715	AT 1998-960704	19981203
	ES 2177110	T3	20021201	ES 1998-960704	19981203
PRAI	US 1997-984463	A	19971203		
	WO 1998-US25667	W	19981203		

AB The **absorbent** articles have outer coverings designed to provide breathability and promote more healthy internal environmental conditions for the wearer. More specifically, the **absorbent** articles comprise (a) a topsheet; (b) a backsheet; and (c) an **absorbent** core; wherein the backsheet comprises a nonporous, substantially fluid impermeable, moisture vapor permeable **composite** sheet material. Preferably, the **composite** sheet material is oriented such that the film layer of the **composite** sheet material faces toward said **absorbent** core. The film layer of the **composite** sheet comprises a substantially hydrophilic elastomer film layer which is preferably located in contact with the fibrous substrate. The film layer of the **composite** sheet comprises a multiple layer film with a substantially hydrophilic elastomer film layer and a substantially hydrophobic elastomer film, the substantially hydrophilic elastomer film is preferably located between the substantially hydrophobic elastomer film and the fibrous substrate. In another embodiment, the film layer may further comprise a third film layer comprising a substantially hydrophobic elastomer film located between the substantially hydrophilic elastomer film and the fibrous substrate. The **absorbent** article may comprise a disposable diaper.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS

AN 1998:184248 CAPLUS

DN 128:245158

TI Nonwoven fabric-based **composite** sheets for liquid **absorbents**

IN Maeda, Katsushi; Fujita, Kazuo; Suzuki, Mikio; Kurahashi, Masao; Kaneda, Manabu

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10076592	A2	19980324	JP 1996-235564	19960905
PRAI	JP 1996-235564		19960905		

AB Title composite sheets, with good touch and softness, useful for disposable diapers, etc., comprise surface-embossed laminates of (A) point-bonded nonwoven fabrics and (B) liq.-impermeable sheets, where the total area of the bonded points being 10-40% of total surface area. Thus, a compn. of Ultzex 2520F 100, CaCO₃ 150, and an ester of 4:2:1 Lunac S 40/trimethylolpropane/adipic acid 10 parts was kneaded, pelletized, inflation molded, and stretched to give a porous sheet showing wt. 20 g/m² and moisture permeability (JIS Z 0208) 1.8 g/100 cm²-h. Then, the sheet was laminated with an embossed nonwoven fabric of 1.8-denier water-repellent polypropylene **fibers** using a **hot-melt adhesive** and embossed to give a laminated sheet showing embossed surface-area ratio 22%, interlayer peeling strength 129 g/25 mm, and excellent dryability test.

L8 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2003 ACS

AN 1994:638470 CAPLUS

DN 121:238470

TI Self-adhesive nonwoven elastic compressible composite material

IN Faass, Judith K.

PA Kimberly-Clark Corp., USA

SO Can. Pat. Appl., 47 pp.

CODEN: CPXXEB

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CA 2092581	AA	19940623	CA 1993-2092581	19930326
	AU 9352142	A1	19940714	AU 1993-52142	19931202
	AU 671869	B2	19960912		
	JP 07003601	A2	19950106	JP 1993-321845	19931221
	US 5503908	A	19960402	US 1994-271276	19940706
PRAI	US 1992-995468		19921222		

AB The title material is composed of .gtoreq.1 elastic composite material and a coating of a self-adhesive material on at least a portion of .gtoreq.1 of its exterior surfaces so that the material is capable of being compressed in the Z-direction .gtoreq.45% at a pressure of .apprx.3 psi to a thickness of .gtoreq.0.035 in. The elastic composite material may contain an elastomeric nonwoven fibrous web joined to .gtoreq.1 relatively nonelastic gatherable material at spaced-apart locations so that the gatherable material is gathered between the spaced-apart locations. The peel strength of the self-adhesive material is less than the peel strength of the layers of the elastic composite material. The product may be used as a wrap or bandage in human or veterinary medicine. Thus, a nonwoven elastomeric web of melt-blown **fibers** comprising Kraton G-1657 63, polyethylene NA601 17, and Regalrez 1126 20 wt.% was stretch-bonded at spaced-apart locations to a nonelastic polypropylene filament web facing and sprayed on one side with a **hot-melt adhesive** (National 70-3828) (5 g/m2).

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
51.04	51.46

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-5.21	-5.21

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